



WHOLE EFFLUENT TOXICITY (WET) TEST REPORT

(TO BE ATTACHED TO WET TESTS FOR SUBMISSION TO THE REGULATORY AUTHORITY)

PART A – TO BE COMPLETED IN FULL BY PERMITTEE

FACILITY NAME	DATE & TIME COLLECTED EFFLUENT _____ UPSTREAM _____
PERMIT NUMBER	PERMIT OUTFALL NUMBER
COLLECTOR'S NAME	
RECEIVING STREAM COLLECTION SITE AND DESCRIPTION	
PERMIT ALLOWABLE EFFLUENT CONCENTRATION (AEC)	EFFLUENT SAMPLE TYPE (CHECK ONE) <input type="checkbox"/> 24HR COMPOSITE <input type="checkbox"/> GRAB <input type="checkbox"/> OTHER _____
SAMPLE NUMBER EFFLUENT _____ UPSTREAM _____	UPSTREAM SAMPLE TYPE (CHECK ONE) <input type="checkbox"/> 24HR COMPOSITE <input type="checkbox"/> GRAB <input type="checkbox"/> OTHER _____
PERMITTED EFFLUENT DAILY MAXIMUM LIMITATION FOR CHLORINE _____ mg/L	PERMITTED EFFLUENT DAILY MAXIMUM LIMITATION FOR AMMONIA _____ mg/L

PART B – TO BE COMPLETED IN FULL BY PERFORMING LABORATORY

PERFORMING LABORATORY	TEST TYPE	
FINAL REPORT NUMBER	TEST DURATION	
DATE OF LAST REFERENCE TOXICANT TESTING	TEST METHOD	
DATE AND TIME SAMPLES RECEIVED AT LABORATORY	TEST START DATE AND TIME	TEST END DATE AND TIME
SAMPLE DECHLORINATED PRIOR TO ANALYSIS? <input type="checkbox"/> YES <input type="checkbox"/> NO EFFLUENT _____ UPSTREAM _____	TEST ORGANISM #1 AND AGE	TEST ORGANISM #2 AND AGE
SAMPLE FILTERED ¹ PRIOR TO ANALYSIS? <input type="checkbox"/> YES <input type="checkbox"/> NO EFFLUENT _____ UPSTREAM _____	90% OR GREATER SURVIVAL IN SYNTHETIC CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO	DILUTION WATER USED TO ACHIEVE AEC
FILTER MESH SIEVE SIZE ²	EFFLUENT ORGANISM #1 % MORTALITY AT AEC	EFFLUENT ORGANISM #2 % MORTALITY AT AEC
SAMPLE AERATED DURING TESTING? <input type="checkbox"/> YES <input type="checkbox"/> NO	UPSTREAM ORGANISM #1 % MORTALITY	UPSTREAM ORGANISM #2 % MORTALITY
pH ADJUSTED? <input type="checkbox"/> YES <input type="checkbox"/> NO EFFLUENT _____ UPSTREAM _____	TEST RESULT AT AEC FOR ORGANISM #1 <input type="checkbox"/> PASS <input type="checkbox"/> FAIL	TEST RESULT AT AEC FOR ORGANISM #2 <input type="checkbox"/> PASS <input type="checkbox"/> FAIL

MINIMUM REQUIRED ANALYTICAL RESULTS FOR THE 100% EFFLUENT SAMPLE

PARAMETER	RESULT	METHOD	WHEN ANALYZED
Temperature °C			
pH Standard Units			
Conductance µMohs			
Dissolved Oxygen mg/L			
Total Residual Chlorine mg/L			
Unionized Ammonia mg/L			
*Total Alkalinity mg/L			
*Total Hardness mg/L			

*Recommended by USEPA guidance, not a required analysis.

¹ Samples shall only be filtered if indigenous organisms are present that may be confused with, or attack, the test organisms.

² Filters shall have a sieve size of 60 microns or greater.

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PARAMETER	RESULT	METHOD	WHEN ANALYZED
Temperature °C			
pH Standard Units			
Conductance µMohs			
Dissolved Oxygen mg/L			
Total Residual Chlorine mg/L			
Unionized Ammonia mg/L			
*Total Alkalinity mg/L			
*Total Hardness mg/L			
*Recommended by USEPA guidance, not a required analysis.			

PRELIMINARY TEST ACCEPTABILITY MATRIX (FOR USE BY PERMITTEE IN DETERMINING TEST VALIDITY)
PERMIT ALLOWABLE EFFLUENT CONCENTRATION (AEC): As indicated on permit. Test is invalid otherwise.
EFFLUENT SAMPLE TYPE: As indicated on permit. Test is invalid otherwise.
TEST TYPE: Acute Static Non-Renewal Test or other as indicated on permit. Test is invalid otherwise.
TEST DURATION: Forty-eight (48) hours or as indicated on permit. Test is invalid otherwise.
TEST ORGANISMS: As indicated on permit. Test is invalid otherwise.
DILUTION WATER USED TO ACHIEVE AEC: Upstream receiving water required if available.
TEST METHOD: The only acceptable method is the <i>most current edition</i> of <u>Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms</u> , or other as specifically assigned by EPA for determining NPDES compliance. Test is invalid otherwise.
TEST START DATE & TIME: Unless otherwise specified in writing by EPA, if >36 hours lapse between collection and initiation, test is invalid.
FILTER MESH SIEVE SIZE: Unless otherwise specified in writing by EPA, if sieve size is smaller than 60 microns, test is invalid.
90% OR GREATER SURVIVAL IN LABORATORY CONTROL(S) (Y/N): If NO, test is invalid.

PARAMETER	RESULT	NOTES	WHEN ANALYZED
Temperature °C	0 - 6	Unless received by the laboratory on the same day as collected, values outside this range invalidate the test.	Upon receipt

³ Where no upstream control is available, enter results from laboratory or synthetic control.